

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/014372

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B1/707 G01S1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CHAR-DIR CHUNG: "DIFFERENTIALLY COHERENT DETECTION TECHNIQUE FOR DIRECT-SEQUENCE CODE ACQUISITION IN A RAYLEIGH FADING MOBILE CHANNEL"</p> <p>IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 43, no. 2/4, PART 2, 1 February 1995 (1995-02-01), pages 1116-1126, XP000502602</p> <p>ISSN: 0090-6778</p> <p>abstract</p> <p>figure 1</p> <p>page 1117, left-hand column, paragraph II</p> <p>page 1122, right-hand column, line 2 -</p> <p>page 1123, left-hand column, line 26</p> <p>-----</p> <p>-/--</p>	<p>1,3,8, 12,13, 15-18, 22,24, 32,35,38</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

18 February 2005

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24/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 1 289 163 A (BROADCOM CORPORATION) 5 March 2003 (2003-03-05)</p> <p>abstract column 2, paragraph 10 column 10, paragraph 44 column 12, paragraph 55 - paragraph 57 column 12, paragraph 59 column 13, paragraph 61 figures 5,7,12-14</p>	<p>1-7, 9-12, 14-16, 18,19, 22, 24-31, 33-35,38</p>
X	<p>WO 00/49720 A (JOUTSENSALO JYRKI ;JYVAESKYLAEN TEKNOLOGIAKESKUS (FI); RISTANIEMI) 24 August 2000 (2000-08-24)</p> <p>abstract page 8, paragraph 2 page 18, line 16 - line 18 page 27, line 16 - page 28, line 15 page 29, paragraph 13 - paragraph 17</p>	<p>1,3,6, 10-12, 14-16, 18-24, 26, 29-31, 33-38</p>
X	<p>ZARRABIZADEH M H ET AL: "A DIFFERENTIALLY COHERENT PN CODE ACQUISITION RECEIVER FOR CDMA SYSTEMS" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 45, no. 11, 1 November 1997 (1997-11-01), pages 1456-1465, XP000751361 ISSN: 0090-6778 abstract page 1456, right-hand column, line 41 - line 47 page 1464, left-hand column, line 11 - line 14 figures 1A,1B,2</p>	<p>1,3,6-8, 10-12, 14-16, 18,19, 22,24, 26, 29-31, 33-35,38</p>
X	<p>JOUTSENSALO J ET AL: "DELAY ESTIMATION IN CDMA SYSTEM BY DIFFERENTIALLY COHERENT EIGENANALYSIS" INTERNATIONAL CONFERENCE ON ELECTRONICS, CIRCUITS AND SYSTEMS, XX, XX, vol. 3, 5 September 1999 (1999-09-05), pages 1279-1282, XP002935518 abstract page 1279, paragraph 1 page 1279, paragraph 2 page 1250, paragraph 3</p>	<p>1,24</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/014372

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1289163	A	05-03-2003	US	2003043768 A1		06-03-2003
			EP	1289163 A2		05-03-2003
WO 0049720	A	24-08-2000	AU	2674900 A		04-09-2000
			WO	0049720 A2		24-08-2000